

NC/QC/YD-W-1/2019-20/MM2-C1

Date: 02-05-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Ranganath.R.

PHYSICAL TESTS ON CEMENTGrade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	162 min	Shall not be less than 30 min
2	Final setting time	270 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.28 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	1.91 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	29.08 N/Sq mm	Shall not be less than 27 N/Sqmm

Page No. 1/1,

K.R.
KIRAN. R.
M.E. (Civil-Engg)

For Newzen Consultants Bangalore

Proprietary

NC/QC/YD-W-1/2019-20/MM2-PCC1

Date: 02-05-2019

1. TESTING OF COARSE AND FINE AGGREGATES:**Sub:** Testing of Coarse and Fine aggregates to be used for bed concrete.**{Project*:** Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}**Ref.:** Material testing/PMC/18-19,Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Ranganath.R.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 - 100
20mm	69.25	0 -20	30- 70
10mm	26.10	0 -5	10- 35
4.75mm	3.61	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	98.35	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	87.05	60-95	75-100	85-100	
01.18	66.80	30-70	55-90	75-100	
600.mic	41.95	15-34	35-59	60-79	
300.mic	19.40	5-20	8-30	12-40	
150.mic	8.10	0-10	0-10	0-10	

Page No. 1/1,

For Newzen Consultants Bangalore

Proprietor

K.R.
KIRAN. R
M.E. (Civil-Engg)

NC/QC/YD-W-1/2019-20/MM2-C2

Date: 06-05-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Ranganath.R.

PHYSICAL TESTS ON CEMENTGrade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	169 min	Shall not be less than 30 min
2	Final setting time	275min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.14 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	1.99 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	29.01 N/Sq mm	Shall not be less than 27 N/Sqmm

Page No. 1/1,

KIRAN. R
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For Newzen Consultants Bangalore

Proprietor

NC/QC/YD-W-1/2019-20/MM2--FA1

Date: 06-05-2019

1. TESTING OF FINE AGGREGATES:

Sub: Testing of Fine Aggregates.

{Project*: Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Ranganath.R.

TABLE - 1.1: SIEVE ANALYSIS:

TABLE - I: SIEVE ANALYSIS:

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002)			Remarks
		Percentage Passing			
		Zone-I	Zone-II	Zone -II	
04.75	96.40	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	88.10	60-95	75-100	85-100	
01.18	62.45	30-70	55-90	75-100	
600. mic	46.80	15-34	35-59	60-79	
300.mic	20.75	5-20	8-30	12-40	
150.mic	7.05	0-10	0-10	0-10	

TABLE 1.2;

SI No	Test Conducted	Sample	Results	Requirements as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	18.79 %	-----
2	Silt Content	----	0.59 %	Not more than 8%
3	Specific Gravity	----	2.60	-----

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KIRAN. R

M.E, (Civil-Engg.)

For Newzen Consultants Bangalore

Proprietor

NC/QC/YD-W-1/2019-20/MM2-CA1

Date: 06-05-2019

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.

{Project*: Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Ranganath.R.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002)	
		% Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	95.30	85-100	90 - 100
10 mm	39.45	0 - 20	25 - 55
4.75 mm	7.20	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) - 1963 (Reaffirmed on 2002)
1.	Flakiness Index	22.91 %	Not to exceed 25 %
2.	Crushing value	25.97 %	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

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K.R.
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For Newzen Consultants Bangalore

Proprietor

NC/QC/YD-W-1/2019-20/MM2-S1

Date: 06-05-2019

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 10 mm TMT Steel.

{Project*: Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Ranganath.R.

TABLE - 1

SL No	Details	For 10 mm	
		Test Results	Min Req. as per IS 1786-2008
01	Observed diameter of bar	10.0 mm	10.0 mm
02	Observed Wt/m Length Kg/m	0.610	0.567
03	Proof stress/Yield stress, f_y , N/mm^2	534.0	500.0
04	Bend/ Re bend Test	Ok	---
05	Percentage of Elongation, %	21.65	16.00
06	Ultimate Tensile Strength N/mm^2	641.0	565.0

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For Newzen Consultants Bangalore

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NC/QC/YD-W-1/2019-20/MM2-CB1

Date: 20-05-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Ranganath.R.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	13-05-19	20-05-19	07	22500	365	16.22	16.15
	002	"	"	"	"	355	15.78	
	003	"	"	"	"	370	16.44	

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KIRAN. R
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For Newzen Consultants Bangalore

Proprietor



NC/QC/YD-W-1/2019-20/MM2-CB2

Date: 21-05-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Ranganath.R.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	14-05-19	21-05-19	07	22500	355	15.78	16.07
	002	"	"	"	"	370	16.44	
	003	"	"	"	"	360	16.00	

Page No. 1/1,

For Newzen Consultants Bangalore

Kiran R
KIRAN. R
M.E. (Civil-Engg)

Date: 24-05-2019

Name of the Agency/Contractor*: Sri. Ranganath.R.

CUBE SPECIMENS

Grade of Concrete* : M₂₀

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	17-05-19	24-05-19	07	22500	365	16.22	16.30
	002	"	"	"	"	360	16.00	
	003	"	"	"	"	375	16.67	

Page No. 1/1,

KIRAN. R
M.E. (Civil-Engg.)

For Newzen Consultants Bangalore

Proprietor

NC/QC/YD-W-1/2019-20/MM2-CB4

Date: 25-05-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:**Sub:** Testing of Concrete Cubes (for 07days Compressive Strength).**{Project*:** Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}**Ref.:** Material testing/PMC/18-19,Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Ranganath.R.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE**CUBE SPECIMENS**

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀**TABLE 1.1:**

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	18-05-19	25-05-19	07	22500	345	15.33	15.70
	002	"	"	"	"	365	16.22	
	003	"	"	"	"	350	15.56	

Page No. 1/1,

KIRAN. R
M.E. (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

NC/QC/YD-W-1/2019-20/MM2-CB1A

Date: 10-06-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Ranganath.R.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	13-05-19	10-06-19	28	22500	510	22.67	22.30
	002	"	"	"	"	500	22.22	
	003	"	"	"	"	495	22.00	

Page No. 1/1,

KIRAN. R
M.E. (Civil-Engrg.)

For Newzen Consultants Bangalore

Proprietor

NC/QC/YD-W-1/2019-20/MM2-CB2A

Date: 11-06-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Ranganath.R.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE**CUBE SPECIMENS**

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀**TABLE 1.1:**

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	14-05-19	11-06-19	28	22500	505	22.44	22.15
	002	"	"	"	"	490	21.78	
	003	"	"	"	"	500	22.22	

Page No. 1/1,

K. R.
KIRAN. R.
M.E. (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor



NC/QC/YD-W-1/2019-20/MM2-CB3A

Date: 14-06-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Ranganath.R.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	17-05-19	14-06-19	28	22500	500	22.22	22.59
	002	"	"	"	"	515	22.89	
	003	"	"	"	"	510	22.67	



NC/QC/YD-W-1/2019-20/MM2-CB4A

Date: 15-06-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Ranganath.R.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₂₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	18-05-19	15-06-19	28	22500	495	22.00	22.07
	002	"	"	"	"	510	22.67	
	003	"	"	"	"	485	21.56	

K. R.
KIRAN. F
M.E. (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor



NC/QC/YD-W-1/2019-20/MM2-C3

Date: 04-06-2019

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Ranganath.R.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	167 min	Shall not be less than 30 min
2	Final setting time	274 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.04 %	Not to exceed 10.0%
4	Soundness test (by Le-Chatelier's method)	1.99 mm	Shall not be more than 10 mm
5	Compressive strength b) 3 days (average of three results)	29.18 N/Sq mm	Shall not be less than 27 N/Sqmm

NC/QC/YD-W-1/2019-20/MM2-PCC2

Date: 04-06-2019

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Ranganath.R.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
		Single size	Graded
	40 mm Sample		
40mm	100.00	85-100	90 - 100
20mm	61.35	0 -20	30- 70
10mm	14.80	0 -5	10- 35
4.75mm	3.75	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	98.25	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	81.90	60-95	75-100	85-100	
01.18	64.15	30-70	55-90	75-100	
600.mic	59.35	15-34	35-59	60-79	
300.mic	20.20	5-20	8-30	12-40	
150.mic	6.85	0-10	0-10	0-10	



NC/QC/YD-W-1/2019-20/MM2-CB5

Date: 17-06-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).

{Project*: Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Ranganath.R.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₃₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	10-06-19	17-06-19	07	22500	560	24.89	24.52
	002	"	"	"	"	545	24.22	
	003	"	"	"	"	550	24.44	

Page No. 1/1,

KIRAN. R.
M.E. (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor



NC/QC/YD-W-1/2019-20/MM2-CB5A

Date: 08-07-2019

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).

{Project*: Improvements to roads and drains at Maruthinagara 4th main 1st and 2nd cross roads and surrounding areas in Kempegowda ward no - 01 and Improvements to roads and drains at Maruthinagara 2nd main 9th A cross road and surrounding areas in Kempegowda ward no - 01.}

Ref.: Material testing/PMC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Ranganath.R.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M₃₀

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm ²	Maximum Load in K.N	Compressive Strength (N/ mm ²)	Avg. Value
1	001	10-06-19	08-07-19	28	22500	745	33.11	33.19
	002	"	"	"	"	755	33.56	
	003	"	"	"	"	740	32.89	

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K.R.
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Proprietor